



Docket No.: 60188-803

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|  |   |                           |
|--|---|---------------------------|
| In re Application of                     | : | Customer Number: 20277    |
| Shiro DOSHO, et al.                      | : | Confirmation Number: 8987 |
| Application No.: 10/799,716              | : | Group Art Unit: 2817      |
| Filed: March 15, 2004                    | : | Examiner: Unknown         |
| For: LOW-PASS FILTER AND FEEDBACK SYSTEM | : |                           |

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Each non-English language reference was first cited in a corresponding foreign application search report or office action and its relevance discussed therein. A copy of the foreign search report or office action, together with an English language version thereof, is attached for the Examiner's information.

**10/799,716**

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,


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**Date: November 22, 2004**

**Please recognize our Customer No. 20277  
as our correspondence address.**

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|--|----------|---|-----------|---|---|---|---|
| <div>INFORMATION DISCLOSURE<br/>CITATION IN AN APPLICATION<br/>(PTO-1449)</div> <div></div> |          |   |           | ATTY. DOCKET NO.<br><b>60188-803</b>    |   | SERIAL NO.<br><b>10/799,716</b>                     |   |
|  |          |   |           | APPLICANT<br><b>Shiro DOSHO, et al.</b> |   |   |   |
|  |          |   |           | FILING DATE<br><b>March 15, 2004</b>    |   | GROUP<br><b>2817</b>                                |   |
| U.S. PATENT DOCUMENTS  |          |   |           |   |   |   |   |
| EXAMINER'S INITIALS  | CITE NO. | Document Number<br>Number-Kind Code <sup>2</sup> (if known)   |           | Publication Date<br>MM-DD-YYYY          | Name of Patentee or Applicant of Cited Document |   | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|  |          | US  | 5,592,120 | 01/07/1997                              | Palmer et al.                                   |   |   |
|  |          | US  | 5,332,930 | 07/26/1994                              | Volk  |   |   |
|  |          | US  |           |   |   |   |   |
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|  |          | US  |           |   |   |   |   |
|  |          | US  |           |   |   |   |   |
|  |          | US  |           |   |   |   |   |
| FOREIGN PATENT DOCUMENTS   |          |   |           |   |   |   |   |
| EXAMINER'S INITIALS  | CITE NO. | Foreign Patent Document<br>Country Codes -Number 4 -Kind Codes (if known)   |           | Publication Date<br>MM-DD-YYYY          | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Figures Appear | Translation<br>Yes No   |
|  |          | EP 1 282 234 A1   |           | 02/05/2003                              | TEXAS INSTRUMENTS<br>INCORPORATED               |   | X   |
|  |          | JP 56-119520  |           | 09/19/1981                              | NIPPON TELEGR &<br>TELEPH CORP.                 |   | ENGLISH<br>ABSTRACT ONLY  |
|  |          |   |           |   |   |   |   |
|  |          |   |           |   |   |   |   |
|  |          |   |           |   |   |   |   |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)   |          |   |           |   |   |   |   |
| EXAMINER'S INITIALS  | CITE NO. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |           |   |   |   |   |
|  |          | TOYAMA, Masaomi., et al. "A Design of a Compact 2GHz-PLL with New Adaptive Active Loop Filter Circuit." 2003 Symposium on VLSI Circuits Digest of Technical Papers, Kyoto, Japan, June 12-14, 2003, pp. 185-188.  |           |   |   |   |   |
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| EXAMINER   |          |   |           | DATE CONSIDERED                         |   |   |   |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.